The Trail Inventory of Iroquois NWR

Basom, NY





Prepared By: Federal Highway Administration Central Federal Lands Highway Division April, 2012



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Iroquois NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface	Excellent	Fair	Others	Total	
Туре	Miles %	Miles %	Miles %	Miles	
Native	0.26 37%	0.44 63%	0.00 0%	0.70	
Gravel	1.19 100%	0.00 0%	0.00 0%	1.19	
Boardwalk	0.51 100%	0.00 0%	0.00 0%	0.51	
Wood Chip	0.14 100%	0.00 0%	0.00 0%	0.14	
Mowed	6.97 100%	0.00 0%	0.00 0%	6.97	
Admin Road	0.00 0%	0.00 0%	3.49 100%	3.49	
Total	9.07 70%	0.44 3%	3.49 27%	13.00	

Trail Miles and Percentages by Trail Classification and Condition

Trail	Excellent		Fair		Others		Total
Classification	Miles	%	Miles	%	Miles	%	Miles
тс3	7.78	66%	0.44	4%	3.49	30%	11.71
TC5	1.29	100%	0.00	0%	0.00	0%	1.29
Total	9.07	70%	0.44	3%	3.49	27%	13.00

^{*}Admin Roads are included in the inventory but are not rated for condition.

Trail Features

Trail	Footure Type	Quantity	Crouned	Milenest	Dhoto
Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T300	Trailhead	1	No	0.00	IROQ_C2_002
T300	Sign	2	No	0.00	IROQ_C2_005 0
T300	Gate	1	No	0.02	IROQ_C2_099 0
T300	Sign	1	No	0.43	IROQ_C2_002 2
T300	Begin Section	1	No	0.46	IROQ_C2_003
T300	Sign	2	No	0.47	IROQ_C2_002
T300	Bench	1	No	0.51	
T300	Boardwalk -If	31	No	0.57	IROQ_C2_003
T300	Bench	1	No	0.58	
T300	Sign	1	No	0.60	IROQ_C2_002 9
T300	Bench	1	No	0.97	
T300	Sign	1	No	0.98	IROQ_C2_099 4
T300	Bench	1	No	1.13	
T300	Sign	1	No	1.13	IROQ_C2_099 6
T301	Sign	1	No	0.00	IROQ_C2_003 4
T301	Trailhead	1	No	0.00	IROQ_C2_003
T301	Sign	13	Yes	0.00	IROQ_C2_003 5
T301	Bench	1	No	0.12	
T301	Culvert -If	13	No	0.15	
T301	Begin Section	1	No	0.18	IROQ_C2_004
T301	Bench	1	No	0.26	
T301	Culvert -If	25	No	0.28	
T301	Sign	1	No	0.32	IROQ_C2_100 8
T301	Lookout/Ob Deck	1	No	0.34	
T301	Sign	1	No	0.36	IROQ_C2_100
T301	Begin Section	1	No	0.36	IROQ_C2_101
T301	Bench	1	No	0.40	

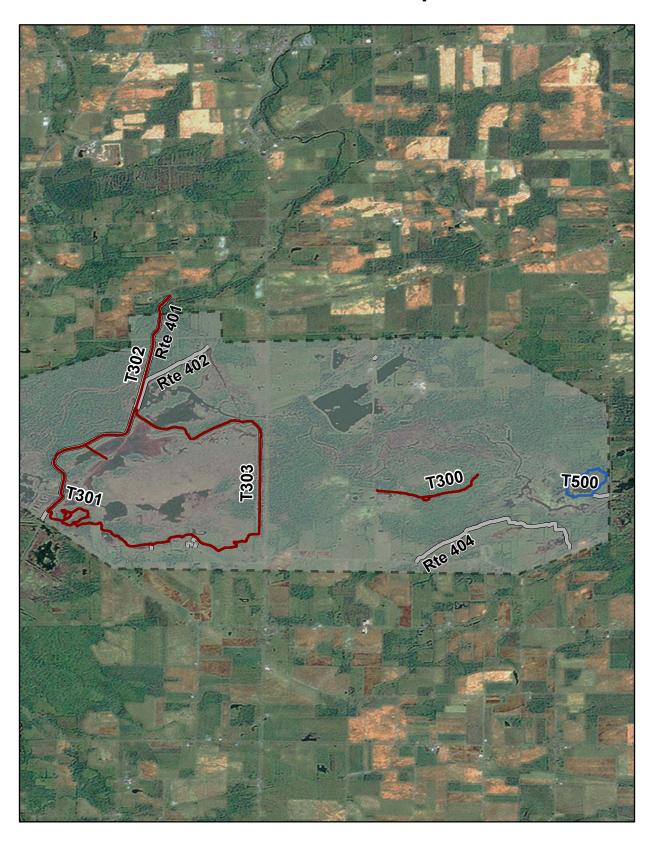
T301	Begin Section	1	No	0.41	IROQ_C2_003
T301	Bench	1	No	0.41	
T301	Culvert -If	12	No	0.44	
T301	Culvert -If	12	No	0.45	
T301	Bench	1	No	0.49	
T301	Sign	1	No	0.49	IROQ_C2_100 4
T301	Bench	1	No	0.56	
T301	Sign	1	No	0.68	IROQ_C2_100 2
T301	Intersection	1	No	0.70	IROQ_C2_101
T301	Sign	1	No	0.77	IROQ_C2_100
T301	Culvert -If	20	No	0.80	
T302	Sign	6	Yes	0.00	IROQ_C2_095 5
T302	Trailhead	1	No	0.00	IROQ_C2_004 7
T302	Begin Section	1	No	0.13	IROQ_C2_004
T302	Intersection	1	No	1.27	IROQ_C2_096 0
T302	Intersection	1	No	2.05	IROQ_C2_096 4
T302	Gate	1	No	3.62	IROQ_C2_099
T303	Trailhead	1	No	0.00	IROQ_C2_096
T303	Begin Section	1	No	0.00	IROQ_C2_095
T303	Sign	27	Yes	0.02	IROQ_C2_096 2
T303	Culvert -If	1	No	0.11	_
T303	Bench	1	No	0.43	
T303	Culvert -If	20	No	1.98	
T303	Culvert -If	20	No	2.57	
T303	Bench	1	No	3.05	
T303	Bridge -sf	110	No	3.67	IROQ_C2_102
T303	Culvert -If	1	No	4.46	,
T303	Bench	1	No	4.83	
T303	Max Grade- %	18	No	5.26	
T500	Trailhead	1	No	0.00	IROQ_C2_000
T500	Sign	1	No	0.01	IROQ_C2_098
T500	Sign	1	No	0.01	IROQ_C2_000 2

T500	Sign	1	No	0.02	IROQ_C2_000
T500	Bench	1	No	0.09	
T500	Begin Section	1	No	0.13	IROQ_C2_000 5
T500	Bench	1	No	0.15	
T500	Bench	1	No	0.23	
T500	Boardwalk -lf	75	No	0.30	IROQ_C2_000 8
T500	Bench	1	No	0.34	
T500	Boardwalk -lf	46	No	0.35	IROQ_C2_001 0
T500	Sign	1	No	0.36	IROQ_C2_097 2
T500	Bench	1	No	0.38	
T500	Culvert -If	20	No	0.39	
T500	Bench	1	No	0.45	
T500	Bench	1	No	0.45	
T500	Begin Section	1	No	0.47	IROQ_C2_001 2
T500	Begin Section	1	No	0.50	IROQ_C2_097 7
T500	Sign	1	No	0.50	IROQ_C2_097 8
T500	Max Grade- %	12	No	0.52	
T500	Bench	1	No	0.53	
T500	Begin Section	1	No	0.61	IROQ_C2_001 4
T500	Sign	1	No	0.64	IROQ_C2_001 5
T500	Bench	1	No	0.74	
T500	Sign	1	No	0.78	IROQ_C2_098 1
T500	Sign	1	No	0.91	IROQ_C2_098 2
T500	Bench	1	No	0.95	
T500	Begin Section	1	No	0.96	IROQ_C2_001 8
T500	Sign	1	No	0.97	IROQ_C2_098 4
T500	Bench	1	No	1.05	
T500	Sign	1	No	1.11	IROQ_C2_098
T500	Bench	1	No	1.19	
T500	Sign	1	No	1.20	IROQ_C2_098 8

sf - square feet If - linear feet

cf - cubic feet

Iroquois NWR Trail Location Map







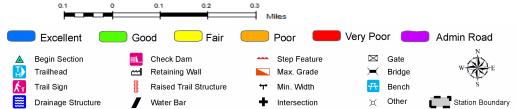


Trails ID

Station Name: Iroquois NWR Org Code: 52540

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Onondaga Trail	Mowed	10022511	1.14	From Onondaga Nature Trail Parking (Rte 907) to End of Loop at Sec 001
T300	Onondaga Trail	Wood Chip	10022511	0.14	From Onondaga Nature Trail Parking (Rte 907) to End of Loop at Sec 001
T301	Kanyoo Nature Trail	Boardwalk	10022573	0.05	From Kanyoo Trail Parking (Rte 902) to End of Loop at Sec 001
T301	Kanyoo Nature Trail	Gravel	10022573	0.36	From Kanyoo Trail Parking (Rte 902) to End of Loop at Sec 001
T301	Kanyoo Nature Trail	Native	10022573	0.70	From Kanyoo Trail Parking (Rte 902) to End of Loop at Sec 001
T302	Feeder Road	Admin Road	10022507	3.49	From Kanyoo Trail Parking (Rte 902) to End of Distinguishable Trail Tread
T302	Feeder Road	Mowed	10022507	0.13	From Kanyoo Trail Parking (Rte 902) to End of Distinguishable Trail Tread
T303	Mohawk Ski Trail	Mowed	10056815	5.70	From Feeder Road Trail Intersection at Water Control Structures to End of Loop
T500	Swallow Hollow Nature Trail	Boardwalk	10022510	0.46	From Swallow Hollow Trail Parking (Rte 909) to End of Loop at Sec 001
T500	Swallow Hollow Nature Trail	Gravel	10022510	0.83	From Swallow Hollow Trail Parking (Rte 909) to End of Loop at Sec 001





Trail Name: Onondaga Trail Refuge Name: Iroquois NWR **Trail Number:** T300 Region: 5

\$49,221

0.00

Excellent

Section Number 001 002 Section Length (miles) 1.14 0.14 10022511 10022511 SAMMS Number 07/13/2006 07/13/2006 Rating Date Trail Section Information TC3 TC3 Trail Class Mowed Wood Chip Surface Type Surface Firmness Firm Soft Width (inches) 84 24 Average Grade (%) 2.5 2.5 Average X-slope (%) 1.40 1.40 **Trail Condition Information**

Trail Condition TOTALS

\$3,488

0.00

Excellent

Deferred Maintenance	CRV	FCI	Condition	
	\$52,709	0.00	Excellent	

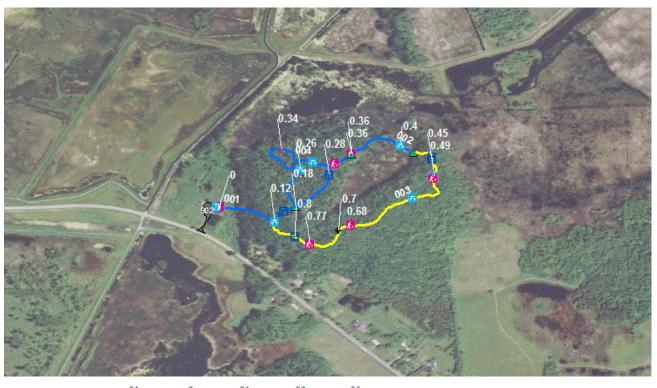
Deferred Maintenance

CRV

FCI

Condition

Total Length: 1.28 Miles



	0.1)	0.1	0.2	!	0.3	iles			
	Excellent	G o	od 🛑	S Fair		Poor		Very Poo	or 🛑	Admin Road
	Begin Section Trailhead	M	Check Dam Retaining Wa	all		Step Fe Max. Gr		\boxtimes	Gate Bridge	W E
Ŕī	Trail Sign	1	Raised Trail		₩	Min. Wie	dth	 	Bench	S
	Drainage Structure		Water Bar		+	Intersec	tion	×	Other	Station Boundary

Trail Name: Kanyoo Nature Trail Refuge Name: Iroquois NWR

Trail Number: T301 Region: 5 Total Length: 1.11 Miles

Section Number	001	002	003	004
Section Length (miles)	0.36	0.05	0.44	0.26
SAMMS Number	10022573	10022573	10022573	10022573
Rating Date	07/13/2006	07/13/2006	07/13/2006	07/13/2006
Trail Section Information				
Trail Class	TC3	TC3	TC3	TC3
Surface Type	Gravel	Boardwalk	Native	Native
Surface Firmness	Soft	Hard	Firm	Firm
Width (inches)	100	72	48	92
Average Grade (%)	1.7	1.7	1.7	1.7
Average X-slope (%)	1.40	1.40	1.40	1.40
Trail Condition Information				
Deferred Maintenance			\$3,867	
CRV	\$80,746	\$40,018	\$43,424	\$49,181
FCI	0.00	0.00	0.07	0.00
Condition	Excellent	Excellent	Fair	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$3,867	\$213,369	0.02	Good





Trail Name: Feeder Road Refuge Name: Iroquois NWR **Trail Number:** T302 Region: 5

0.00

Excellent

Section Number 001 002 Section Length (miles) 0.13 3.49 10022507 10022507 SAMMS Number 07/13/2006 07/13/2006 Rating Date Trail Section Information TC3 TC3 Trail Class Mowed Admin Road Surface Type Surface Firmness Firm Hard Width (inches) 144 144 Average Grade (%) 1.1 1.1 Average X-slope (%) 1.90 1.90 **Trail Condition Information Deferred Maintenance** \$9,622 **CRV**

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$9,622	0.00	Excellent

FCI

Condition

Total Length: 3.62 Miles



Min. Width

Intersection

Bench

Other

×

Station Boundary

Total Length: 5.70 Miles

Trail Name: Mohawk Ski Trail Refuge Name: Iroquois NWR **Trail Number:** T303 Region: 5

Raised Trail Structure

Water Bar

Section Number 001 002 Section Length (miles) 5.42 0.28 10056815 10056815 SAMMS Number 06/20/2011 06/20/2011 Rating Date **Trail Section Information** TC3 TC3 Trail Class Mowed Mowed Surface Type Surface Firmness Hard Firm Width (inches) 92 92 Average Grade (%) 3.1 3.1 Average X-slope (%) 4.00 4.00 **Trail Condition Information Deferred Maintenance** \$256,305 \$13,240 **CRV** 0.00 0.00 FCI Excellent Excellent Condition

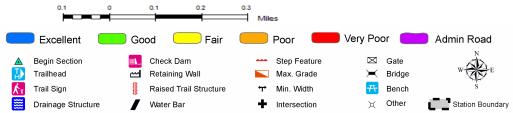
Trail Sign

Drainage Structure

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$269,546	0.00	Excellent





Trail Name: Swallow Hollow Nature Trail Refuge Name: Iroquois NWR

 Section Number
 001
 002
 003
 004
 005

 Section Length (miles)
 0.13
 0.34
 0.03
 0.11
 0.35

 SAMMS Number
 10022510
 10022510
 10022510
 10022510
 10022510

 Rating Date
 07/13/2006
 07/13/2006
 07/13/2006
 07/13/2006
 07/13/2006

Section Length (miles)	0.13	0.54	0.03	0.11	0.55
SAMMS Number	10022510	10022510	10022510	10022510	10022510
Rating Date	07/13/2006	07/13/2006	07/13/2006	07/13/2006	07/13/2006
Trail Section Information					
Trail Class	TC5	TC5	TC5	TC5	TC5
Surface Type	Boardwalk	Gravel	Gravel	Gravel	Gravel
Surface Firmness	Hard	Hard	Boardwalk	Hard	Hard
Width (inches)	72	72	72	72	72
Average Grade (%)	1.6	1.6	1.6	1.6	1.6
Average X-slope (%)	1.00	1.00	1.00	1.00	1.00
Trail Condition Information					
Deferred Maintenance					
CRV	\$104,036	\$54,906	\$4,843	\$17,765	\$56,522
FCI	0.00	0.00	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent	Excellent	Excellent





Trail Name: Swallow Hollow Nature Trail Refuge Name: Iroquois NWR

Trail Number: T500 Region: 5 Total Length: **1.29 Miles**

Section Number	006	
Section Length (miles)	0.33	
SAMMS Number	10022510	
Rating Date	07/13/2006	
Trail Section Information		
Trail Class	TC5	
Surface Type	Boardwalk	
Surface Firmness	Hard	
Width (inches)	72	
Average Grade (%)	1.6	
Average X-slope (%)	1.00	
Trail Condition Information		
Deferred Maintenance		
CRV	\$264,108	
FCI	0.00	
Condition	Excellent	

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$502,180	0.00	Excellent

TRAIL DEFICIENCY



Trail Name: Kanyoo Nature Trail Refuge Name: Iroquois NWR **Trail Number:** T301 Region: 5

0.44 Mile Post 003 Section Number Photo Number IROQ_C2_1006 Obstacle Deficiency Build/Add Action Boardwalk -If Item Quantity 100 **Deferred Maintenance** \$3,867

Total Length: 1.11 Miles

TRAIL NUMBER: T300 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0021 - MP 0.00 - Trailhead



Photo # IROQ_C2_0050 - MP 0.00 - Sign

TRAIL NUMBER: T300 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0990 - MP 0.02 - Gate



Photo # IROQ_C2_0022 - MP 0.43 - Sign

TRAIL NUMBER: T300 STATION: Iroquois NWR DATE: 06/20/2011



Photo # IROQ_C2_0994 - MP 0.98 - Sign



Photo # IROQ_C2_0996 - MP 1.13 - Sign

TRAIL NUMBER: T300 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0030 - MP 0.46 - Begin Section



Photo # IROQ_C2_0023 - MP 0.47 - Sign

TRAIL NUMBER: T300 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0031 - MP 0.57 - Boardwalk -If



Photo # IROQ_C2_0029 - MP 0.60 - Sign

TRAIL NUMBER: T301 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0033 - MP 0.00 - Trailhead



Photo # IROQ_C2_0034 - MP 0.00 - Sign

TRAIL NUMBER: T301 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0035 - MP 0.00 - Sign



Photo # IROQ_C2_1008 - MP 0.32 - Sign

TRAIL NUMBER: T301 STATION: Iroquois NWR DATE: 06/21/2011



Photo # IROQ_C2_1009 - MP 0.36 - Sign



Photo # IROQ_C2_1010 - MP 0.36 - Begin Section

TRAIL NUMBER: T301 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0039 - MP 0.41 - Begin Section



Photo # IROQ_C2_1004 - MP 0.49 - Sign

TRAIL NUMBER: T301 STATION: Iroquois NWR DATE: 06/21/2011



Photo # IROQ_C2_1002 - MP 0.68 - Sign



Photo # IROQ_C2_1016 - MP 0.70 - Intersection

TRAIL NUMBER: T301 STATION: Iroquois NWR DATE: 06/21/2011



Photo # IROQ_C2_1001 - MP 0.77 - Sign



Photo # IROQ_C2_0043 - MP 0.18 - Begin Section

TRAIL NUMBER: T302 STATION: Iroquois NWR DATE: 06/20/2011



Photo # IROQ_C2_0955 - MP 0.00 - Sign



Photo # IROQ_C2_0047 - MP 0.00 - Trailhead

TRAIL NUMBER: T302 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0048 - MP 0.13 - Begin Section

TRAIL NUMBER: T302 STATION: Iroquois NWR



Photo # IROQ_C2_0960 - MP 1.27 - Intersection

TRAIL NUMBER: T302 STATION: Iroquois NWR DATE: 06/20/2011



Photo # IROQ_C2_0964 - MP 2.05 - Intersection



Photo # IROQ_C2_0997 - MP 3.62 - Gate

TRAIL NUMBER: T303 STATION: Iroquois NWR DATE: 06/20/2011



Photo # IROQ_C2_0963 - MP 0.00 - Trailhead



Photo # IROQ_C2_0962 - MP 0.02 - Sign

TRAIL NUMBER: T303 STATION: Iroquois NWR DATE: 06/21/2011



Photo # IROQ_C2_1021 - MP 3.67 - Bridge -sf



Photo # IROQ_C2_0959 - MP 0.00 - Begin Section

TRAIL NUMBER: T500 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0001 - MP 0.00 - Trailhead

TRAIL NUMBER: T500 STATION: Iroquois NWR



Photo # IROQ_C2_0989 - MP 0.01 - Sign

TRAIL NUMBER: T500 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0002 - MP 0.01 - Sign



Photo # IROQ_C2_0003 - MP 0.02 - Sign

TRAIL NUMBER: T500 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0005 - MP 0.13 - Begin Section



Photo # IROQ_C2_0008 - MP 0.30 - Boardwalk -If

TRAIL NUMBER: T500 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0010 - MP 0.35 - Boardwalk -If



Photo # IROQ_C2_0972 - MP 0.36 - Sign

TRAIL NUMBER: T500 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0012 - MP 0.47 - Begin Section



Photo # IROQ_C2_0978 - MP 0.50 - Sign

TRAIL NUMBER: T500 STATION: Iroquois NWR DATE: 07/13/2006



Photo # IROQ_C2_0977 - MP 0.50 - Begin Section



Photo # IROQ_C2_0014 - MP 0.61 - Begin Section

TRAIL NUMBER: T500 STATION: Iroquois NWR DATE: 06/20/2011



Photo # IROQ_C2_0015 - MP 0.64 - Sign

TRAIL NUMBER: T500 STATION: Iroquois NWR



Photo # IROQ_C2_0981 - MP 0.78 - Sign

TRAIL NUMBER: T500 STATION: Iroquois NWR DATE: 06/20/2011



Photo # IROQ_C2_0982 - MP 0.91 - Sign



Photo # IROQ_C2_0018 - MP 0.96 - Begin Section

TRAIL NUMBER: T500 STATION: Iroquois NWR DATE: 06/20/2011



Photo # IROQ_C2_0984 - MP 0.97 - Sign

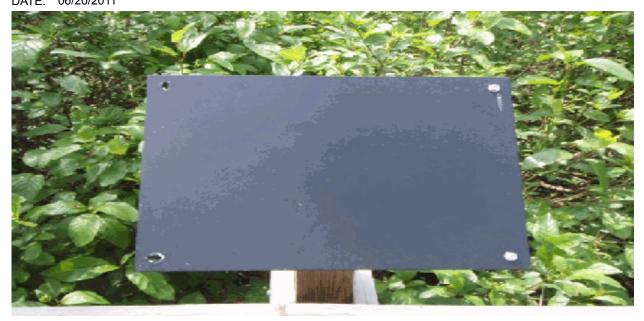


Photo # IROQ_C2_0986 - MP 1.11 - Sign



Photo # IROQ_C2_0988 - MP 1.20 - Sign

Glossary of Terms and Abbreviations

Acc Info Accessibility information available at trailhead.

Action Action required to correct deficiency.

Admin Road Administration Road. Admin Roads signed and

advertised as trails are included in the trail inventory but

a condition assessment is NOT done.

Alt SAMMS SAMMS number of Alternate Facility Type.

Alt Type Alternate Facility Type. Trail lies on a feature such as a

levee, dam, administrative road or bridge, which has a

separate SAMMS number.

AvgGrade The average grade of the trail (%). The average of five

measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.

AvgSlope The average cross-slope of the trail (%). The average of

five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.

Check Dam A small dam constructed across a drainage ditch, swale,

or channel to lower the speed of concentrated flows.

Condition Subjective rating of trail based on Facility Condition

Index (FCI):

FCI </= - .01 = Excellent FCI .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI > - .20 = Failed

Crib Wall Retaining wall.

Current

Replacement Value

(CRV)

The value of an asset determined by the estimated cost of

replacing it.

Def type Deficiency Type: Trail Structure, Drainage, Erosion,

Obstacle, Trail Location, Other.

Deferred

Maintenance (DM)

Maintenance that was not performed when scheduled.

i

Elem ID Unique identifier for each trail section: Org Code-Trail

Number-Section Number.

Facility

Condition Index (FCI)

DM/CRV

Grouped Features Grouped features include non-unique signs (mileposts,

interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the "quantity"

field of the data dictionary.

Info Type Type of accessibility information available at trailhead:

brochure, sign or other.

Item Item on which the "Action" (see above) will be

performed.

Manage_Use Managed use of the trail: HIKE, BIKE, NSPC (non-

specified), PACK, POR (portage), SNOWSHOE, XSKI

(cross-country ski), OTHER.

MP Distance of a trail feature or deficiency from the

Trailhead.

Puncheon Log footbridge used in area of poor drainage.

Raised Trail Structure Boardwalk, Turnpike, Puncheon.

T Class Trail Class: I-V (see Appendix? for trail class

descriptions).

Tr Desig Trail Designation: Standard (Std), National Historic Trail

(NHT), National Recreation Trail (NRT), National

Scenic Trail (NST).

Turnpike Trail tread elevated with dirt, rock or other aggregate

from parallel side ditches and held in place by logs.